

Figure 1(a)

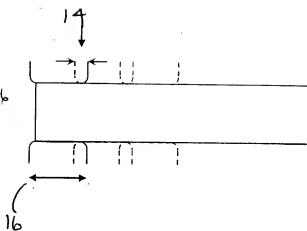


Figure 1(b)

Prior Art

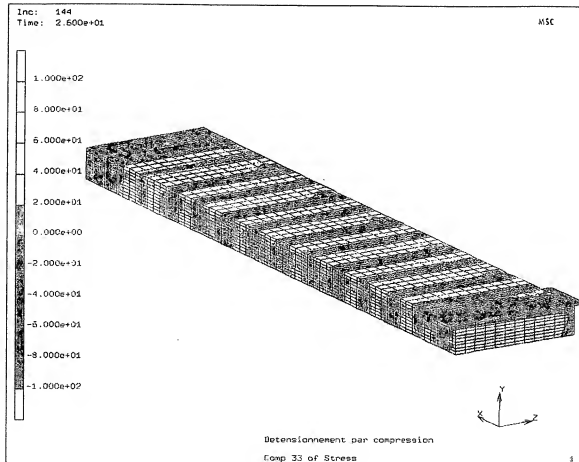


Figure 2

Prior Aut

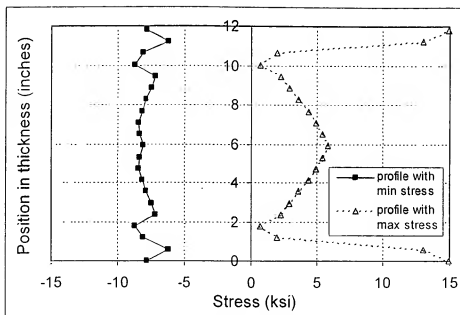


Figure 3

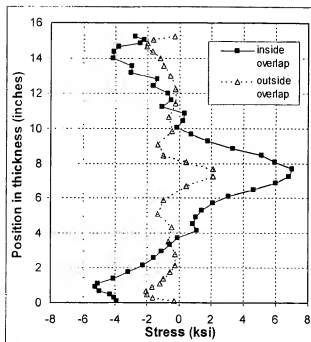


Figure 4

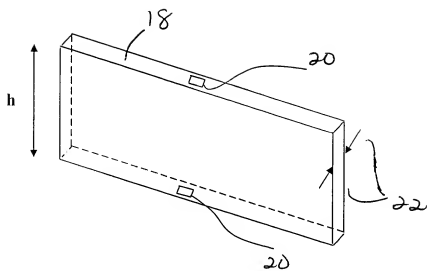


Figure 5

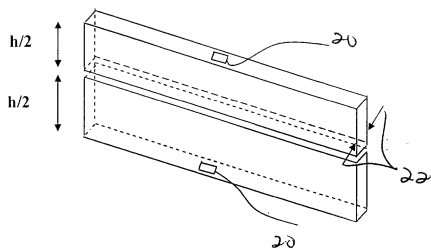


Figure 6

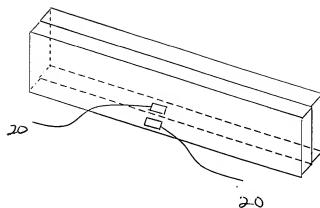


Figure 7

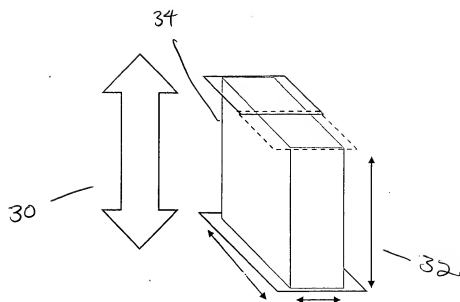


Figure 8



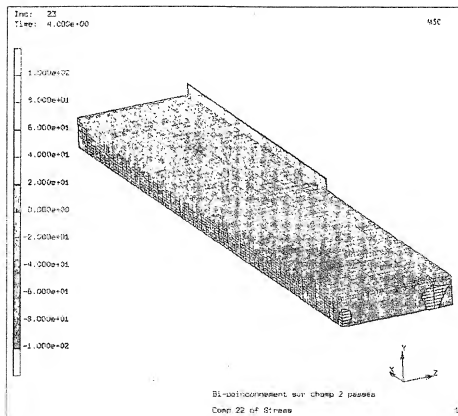


Figure 9

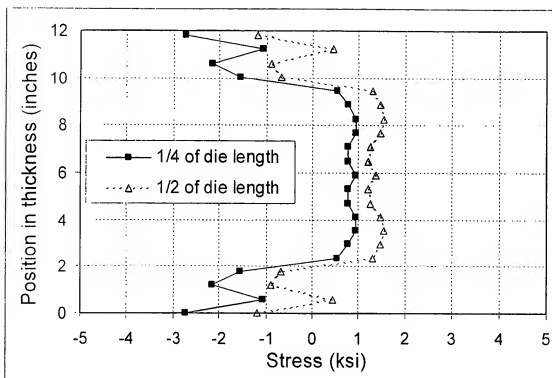


Figure 10

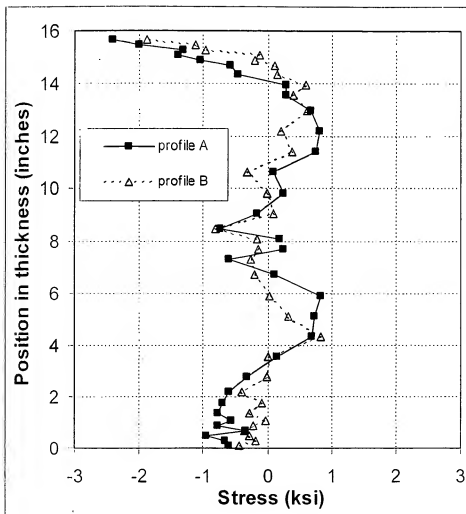


Figure 11

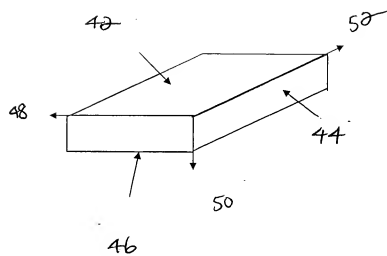
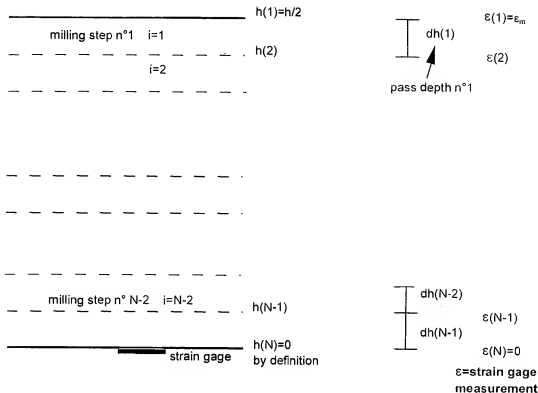


Figure 12



Number of milling steps =  $N - 2$  (from  $i=1$  to  $N-2$ )  
 Number of thickness measurements =  $N - 1$  (from  $i=1$  to  $N-1$ )  
 Number of strain gage measurements =  $N - 2$  (from  $i=2$  to  $N-1$ )  
 Number of residual stress calculated =  $N - 1$  (from  $i=1$  to  $N-1$ )  
 = nb of step + remaining thickness stress  
 calculated by stress equilibrium

Figure 13